

AMENDMENTS TO THE CLAIMS

1 1. (currently amended) A method of translating blocked data transferred from a
2 program executing on one of a plurality of computer systems to another of the
3 plurality of computer systems, wherein:
4 the plurality of computer systems comprises:
5 a first computer system containing a first program communicating through
6 an API with a first interface system, and
7 a second computer system containing a second interface system for
8 communicating with the first interface system;
9 the first computer system and the second computer system are heterogeneous
10 computer systems coupled together over a communications link;
11 said method comprising:
12 A) opening a first session from the first program via the API through the first
13 interface system to the second interface system;
14 B) specifying a first translation for records transmitted over the first session;
15 C) blocking a first plurality of records into a first block of records;
16 D) transmitting the first block of records over the first session from a the first one
17 ~~of the plurality of computer systems~~ to a the second one ~~of the plurality of~~
18 ~~computer systems~~;
19 E) unblocking the first block of records into the first plurality of records on the
20 second ~~one of the plurality of computer systems~~ ; and
21 F) translating each of the first plurality of records in accordance with the
22 translation specified in step (B).

1 2. (original) The method in claim 1 wherein:
2 the translating in step (F) is performed in the first interface system.

1 3. (original) The method in claim 1 wherein:
2 the translating in step (F) is performed in the second interface system.

- 1 4. (original) The method in claim 1 wherein:
2 each of the first plurality of records comprises a plurality of fields;
3 one of the plurality of fields is an alphanumeric field; and
4 the translating in step (F) comprises:
5 translating each character in the one of the plurality of fields from a first
6 character format to a second character format.
- 1 5. (original) The method in claim 1 wherein:
2 each of the first plurality of records comprises a plurality of fields;
3 one of the plurality of fields is an integer field; and
4 the translating in step (F) for each of the first plurality of records comprises:
5 1) translating an integer in the one of the plurality of fields from a
6 first integer format to a second integer format.
- 1 6. (original) The method in claim 5 wherein:
2 the translating in substep (1) of step (F) includes changing from a first endian
3 format to a second endian format.
- 1 7. (original) The method in claim 1 wherein:
2 each of the first plurality of records comprises a plurality of fields;
3 one of the plurality of fields is an floating point field;
4 the translating in step (F) for each of the first plurality of records comprises:
5 1) translating floating point numbers in the one of the plurality of
6 fields from a first floating point format to a second floating point
7 format.
- 1 8. (original) The method in claim 1 wherein:
2 the specifying in step (B) utilizes a file containing a record description.
- 1 9. (original) The method in claim 1 wherein:
2 the specifying in step (B) utilizes a memory area containing a record description.

- 1 10. (currently amended) The method in claim 1 which further comprises:
2 G) opening a second session from the first program via the API through the first
3 interface system to a third interface system in a third computer system
4 coupled to the first computer system;
5 H) specifying a second translation for records transmitted over the second
6 session;
7 I) blocking a second plurality of records into a second block of records;
8 J) transmitting the second block of records over the second session from ~~a the~~
9 ~~first one of the plurality of~~ computer systems to a the third ~~one of the~~
10 ~~plurality of~~ computer systems ;
11 K) unblocking the second block of records into the second plurality of records on
12 the third ~~one of the plurality of~~ computer systems; and
13 L) translating each of the second plurality of records in accordance with the
14 translation specified in step (H).

- 1 11. (currently amended) A data processing system having software stored in a set of
2 Computer Software Storage Media for translating blocked data transferred from a
3 program executing on one of a plurality of computer systems to another of the
4 plurality of computer systems, wherein:
5 the plurality of computer systems comprises:
6 a first computer system containing a first program communicating through
7 an API with a first interface system, and
8 a second computer system containing a second interface system for
9 communicating with the first interface system;
10 the first computer system and the second computer system are heterogeneous
11 computer systems coupled together over a communications link;
12 said software comprising:
13 A) a set of computer instructions for opening a first session from the first
14 program via the API through the first interface system to the second
15 interface system;
16 B) a set of computer instructions for specifying a first translation for records
17 transmitted over the first session;
18 C) a set of computer instructions for blocking a first plurality of records into a
19 first block of records;
20 D) a set of computer instructions for transmitting the first block of records over
21 the first session from a the first ~~one of the plurality of~~ computer systems
22 to a the second ~~one of the plurality of~~ computer systems;
23 E) a set of computer instructions for unblocking the first block of records into the
24 first plurality of records on the second ~~one of the plurality of~~ computer
25 systems; and
26 F) a set of computer instructions for translating each of the first plurality of
27 records in accordance with the translation specified in set (B).

- 1 12. (original) The software in claim 11 wherein:
2 the translating in set (F) is performed in the first interface system.

- 1 13. (original) The software in claim 11 wherein:
2 the translating in set (F) is performed in the second interface system.

- 1 14. (original) The software in claim 11 wherein:
2 each of the first plurality of records comprises a plurality of fields;
3 one of the plurality of fields is an alphanumeric field; and
4 the translating in set (F) comprises:
5 translating each character in the one of the plurality of fields from a first
6 character format to a second character format.
- 1 15. (original) The software in claim 11 wherein:
2 each of the first plurality of records comprises a plurality of fields;
3 one of the plurality of fields is an integer field; and
4 the translating in set (F) for each of the first plurality of records comprises:
5 1) a set of computer instructions for translating an integer in the one
6 of the plurality of fields from a first integer format to a second
7 integer format.
- 1 16. (original) The software in claim 15 wherein:
2 the translating in subset (1) of set (F) includes changing from a first endian format
3 to a second endian format.
- 1 17. (original) The software in claim 11 wherein:
2 each of the first plurality of records comprises a plurality of fields;
3 one of the plurality of fields is an floating point field;
4 the translating in set (F) for each of the first plurality of records comprises:
5 1) a set of computer instructions for translating floating point
6 numbers in the one of the plurality of fields from a first floating
7 point format to a second floating point format.
- 1 18. (original) The software in claim 11 wherein:
2 the specifying in set (B) utilizes a file containing a record description.
- 1 19. (original) The software in claim 11 wherein:
2 the specifying in set (B) utilizes a memory area containing a record description.

- 1 20. (currently amended) The software in claim 11 which further comprises:
2 G) a set of computer instructions for opening a second session from the first
3 program via the API through the first interface system to a third interface
4 system in a third computer system coupled to the first computer system;
5 H) a set of computer instructions for specifying a second translation for records
6 transmitted over the second session;
7 I) a set of computer instructions for blocking a second plurality of records into a
8 second block of records;
9 J) a set of computer instructions for transmitting the second block of records
10 over the second session from a the first ~~one of the plurality of~~ computer
11 systems to a the third ~~one of the plurality of~~ computer systems;
12 K) a set of computer instructions for unblocking the second block of records into
13 the second plurality of records on the third ~~one of the plurality of~~
14 computer systems and
15 L) a set of computer instructions for translating each of the second plurality of
16 records in accordance with the translation specified in set (H).

- 1 21. (currently amended) A computer readable Non-Volatile Storage Medium
2 encoded with software for translating blocked data transferred from a program
3 executing on one of a plurality of computer systems to another of the plurality of
4 computer systems, wherein:
5 the plurality of computer systems comprises:
6 a first computer system containing a first program communicating through
7 an API with a first interface system, and
8 a second computer system containing a second interface system for
9 communicating with the first interface system;
10 the first computer system and the second computer system are heterogeneous
11 computer systems coupled together over a communications link;
12 said software comprising:
13 A) a set of computer instructions for opening a first session from the first
14 program via the API through the first interface system to the second
15 interface system;
16 B) a set of computer instructions for specifying a first translation for records
17 transmitted over the first session;
18 C) a set of computer instructions for blocking a first plurality of records into a
19 first block of records;
20 D) a set of computer instructions for transmitting the first block of records over
21 the first session from a the first ~~one of the plurality of~~ computer systems
22 to a the second ~~one of the plurality of~~ computer systems;
23 E) a set of computer instructions for unblocking the first block of records into the
24 first plurality of records on the second ~~one of the plurality of~~ computer
25 systems; and
26 F) a set of computer instructions for translating each of the first plurality of
27 records in accordance with the translation specified in set (B).